



Docket No.: 50427-70

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Masao FUKUYAMA, et al.

Serial No.: 09/577,137

Group Art Unit: 2879

Filed: May 24, 2000

Examiner:

For: ELECTROLUMINESCENT DEVICE HAVING A VERY THIN EMISSION LAYER

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

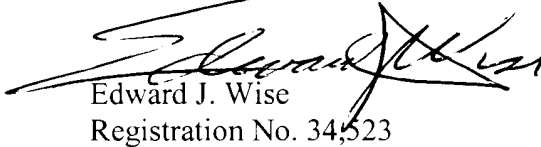
Each English language reference was cited in a corresponding foreign application search report or office action and its relevance discussed therein. A copy of the foreign search report or office action is attached for the Examiner's information.

09/577,137

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

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PTO-1449 PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 1 of 1	ATTORNEY DOCKET NO. 50427-707	SERIAL NO. 09/577,137
	APPLICANT Masao FUKUYAMA et al.	
	FILING DATE May 24, 2000	GROUP 2879

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date

FOREIGN PATENT DOCUMENTS							
						Translation	
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Yes	No

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
		"Progress in organic multilayer electroluminescent devices" by Saito et al., Electroluminescent Materials, Devices, and Large-Screen Displays, SAN JOSE, CA, USA, 1-2 FEB. 1993, vol. 1910, pages 212-221.
		"Organic electroluminescent device with cyanine dye Langmuir-Blodgett film as an emitter" by Era et al., Thin Solid Films, Elsevier-Sequoia S.A. Lausanne, CH, vol. 210/211, no. 1/2 part 2, 30 April 1992, pages 468-470.
		"Confinement of charge carriers and molecular excitons within 5-nm-thick emitter layer in organic electroluminescent devices with a double heterostructure" by Adachi et al., Applied Physics Letters, American Institute of Physics., New York, U.S., vol. 57, no. 6., 6 August 1990, pages 531-533.
		"Effect of well number on organic multiple-quantum-well electroluminescent device characteristics" by Huang et al., Applied Physics Letters, American Institute of Physics., New York, U.S., vol. 73, no. 23., 7 December 1998, pages 3348-3350.
		"Electroluminescence in Organic Films with Three-Layer Structure" by Adachi et al., Japanese Journal of Applied Physics, Publication Office Japanese Journal of Applied Physics, Tokyo, JP, vol. 27, no. 2, February 1988, pages L269-L271.
		"Emission Mechanism in Rubrene-Doped Molecular Organic Light-Emitting Diodes: Direct Carrier Recombination at Luminescent Centers" by Murata et al., IEEE Journal of Selected Topics in Quantum Electronics, IEEE Service Center, U.S., vol. 4, no. 1, 1998, pages 119-124.

EXAMINER:	Date Considered:
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